

PRODUCT SUMMARY

SKY67210-11: 3100 to 4200 MHz Single-Channel Wideband Low Noise Amplifier with Fail-Safe Switch

Applications

- 5G NR and 4G LTE systems
- Massive MIMO base station receive chains
- Outdoor small cells and micro base station receive chains
- High-performance radio links

Features

- Frequency range: 3100 to 4200 MHz
- Low power consumption: 190 mW in RX mode
- 1-bit fast digital step attenuator (DSA) with 6 dB step
- Single supply: 3.3 V dc
- Internal RF match and bias circuits
- Operating temperature: -40 to 105 °C
- Small footprint, 16-pin, 3.0 x 3.0 x 0.8 mm multi-chip module (MCM) package
- MSL3, 260 °C per JEDEC-J-STD-020
- For RoHS and other product compliance information, see the [Skyworks Certificate of Conformance](#).

Description

The SKY67210-11 is a single-channel wideband low noise amplifier (LNA) with fail-safe switch for TDD M-MIMO, 5G NR, 4G LTE cellular infrastructure systems.

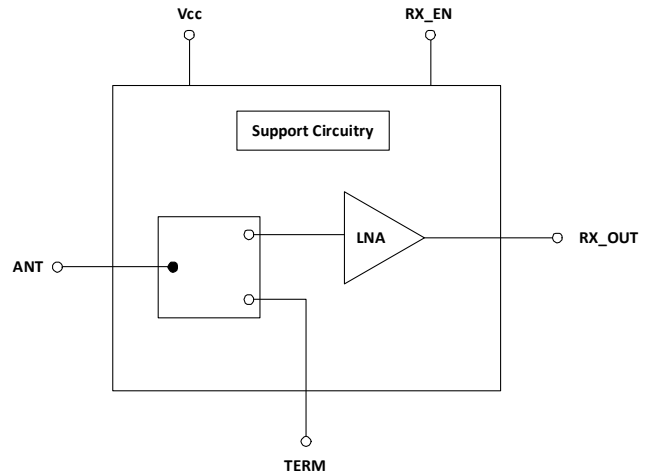


Figure 1. Functional Block Diagram

The SKY67210-11 enables a highly manufacturable, low-cost solution. A block diagram is shown in Figure 1.

The SKY67210-11 is part of a pin-to-pin compatible family of driver PAs, see Table 1.

Table 1. Pin-to-Pin Compatible Driver PA Family

Part Number	Frequency (MHz)	5G Bands
SKY66207-11	2300 to 2700	n40 and n41
SKY67209-11	4400 to 5000	n79
SKY66210-11	3100 to 4200	n77 and n78
SKY67599-11	6425 to 7250	n104

Ordering Information

Part Number	Description	Evaluation Board Part Number
SKY67210-11	3100 to 4200 MHz Single-Channel Wideband Low Noise Amplifier with Fail-Safe Switch	SKY67210-11EK1

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